

FILE 'HOME' ENTERED AT 15:26:06 ON 17 NOV 2004

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.21 | 0.21 |

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 15:26:50 ON 17 NOV 2004

75 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s granada oil or west (a)(india or indian) nutmeg oil?

MISSING OPERATOR INDIAN) NUTMEG

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s granada oil or west (a)(india or indian)(a) nutmeg oil?

26 FILES SEARCHED...

55 FILES SEARCHED...

3 FILE PROMT

6 FILE USPATFULL

2 FILES HAVE ONE OR MORE ANSWERS, 75 FILES SEARCHED IN STNINDEX

L1 QUE GRANADA OIL OR WEST (A)(INDIA OR INDIAN)(A) NUTMEG OIL?

=> d rank

F1 6 USPATFULL

F2 3 PROMT

=> fil f2

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 2.28 | 2.49 |

FULL ESTIMATED COST

FILE 'PROMT' ENTERED AT 15:29:03 ON 17 NOV 2004

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FILE COVERS 1978 TO 17 NOV 2004 (20041117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1

8340 "GRANADA"

730866 "OIL"

2 GRANADA OIL

("GRANADA" (W) "OIL")

685592 WEST

198037 INDIA

88122 INDIAN

2559 "NUTMEG"

782477 OIL?

50 NUTMEG OIL?

("NUTMEG" (W) OIL?)

1 WEST (A)(INDIA OR INDIAN)(A) NUTMEG OIL?

L2 3 GRANADA OIL OR WEST (A) (INDIA OR INDIAN) (A) NUTMEG OIL?

=> d l2 1- ti,bib,abs

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L2 ANSWER 1 OF 3 PROMT COPYRIGHT 2004 Gale Group on STN

TI Company data section. (U - Z).(Directory)(Illustration)
AN 2002:743887 PROMT
TI Company data section. (U - Z).(Directory)(Illustration)
SO International Water Power & Dam Construction, (Annual 2002) pp. 333(28).
ISSN: ISSN: 0306-400X.
PB Wilmington Publishing Ltd.
DT Newsletter
LA English
WC 51438
FULL TEXT IS AVAILABLE IN THE ALL FORMAT
AB Uganda
THIS IS THE FULL TEXT: COPYRIGHT 2002 Wilmington Publishing Ltd.

Subscription: \$241.00 per year. Published monthly. Wilmington House,
Maidstone Road, Foots Cray, Sidcup, Kent DA14 5HZ., United Kingdom

L2 ANSWER 2 OF 3 PROMT COPYRIGHT 2004 Gale Group on STN

TI A-Z of supplier companies.
AN 2002:636005 PROMT
TI A-Z of supplier companies.
SO Wood Based Panels International, (Feb-March 2002) Vol. 22, No. 1, pp.
S3(14).
ISSN: ISSN: 0144-7238.
PB Polygon Media Ltd.
DT Newsletter
LA English
WC 14930
FULL TEXT IS AVAILABLE IN THE ALL FORMAT
AB 3R Belting
THIS IS THE FULL TEXT: COPYRIGHT 2002 Polygon Media Ltd.

Subscription: 75.00 British pounds per year. Published bimonthly. Tubs
Hill House, London Road, Sevenoaks, Kent TN13 1BY., United Kingdom

L2 ANSWER 3 OF 3 PROMT COPYRIGHT 2004 Gale Group on STN

TI 1990 buyer's guide: suppliers. (automobile supplies industry) (buyers
guide)
AN 90:493283 PROMT
TI 1990 buyer's guide: suppliers. (automobile supplies industry) (buyers
guide)
SO National Petroleum News, (March 1990) Vol. 82, No. 3, pp. 116(28)..
ISSN: ISSN: 0149-5267.
PB Adams Business Media
DT Newsletter
LA English
WC 31602
FULL TEXT IS AVAILABLE IN THE ALL FORMAT
AB 1990 Buyer's Guide

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

FULL ESTIMATED COST

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 11.42 | 13.91 |

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 15:29:37 ON 17 NOV 2004

75 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s granada oil or nutmeg oil (6a) (west india or west indian)
1 FILE BIOSIS
1 FILE CAPLUS
38 FILES SEARCHED...
2 FILE PROMT
6 FILE USPATFULL

4 FILES HAVE ONE OR MORE ANSWERS, 75 FILES SEARCHED IN STNINDEX

L3 QUE GRANADA OIL OR NUTMEG OIL (6A) (WEST INDIA OR WEST INDIAN)

=> d rank

| | | |
|----|---|-----------|
| F1 | 6 | USPATFULL |
| F2 | 2 | PROMT |
| F3 | 1 | BIOSIS |
| F4 | 1 | CAPLUS |

=> fil f3, f4

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|---------------------|------------------|
| FULL ESTIMATED COST | 1.71 | 15.62 |

FILE 'BIOSIS' ENTERED AT 15:31:16 ON 17 NOV 2004
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FILE 'CAPLUS' ENTERED AT 15:31:16 ON 17 NOV 2004
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=> s l3

L4 2 L3

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 2 DUP REM L4 (0 DUPLICATES REMOVED)

=> d l5 1- all

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 2 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 1999:86178 BIOSIS
DN PREV199900086178
TI High-performance liquid chromatography analysis of nutmeg and mass oils
produced by supercritical CO2 extraction: Comparison with steam-distilled
oils - comparison of East Indian, West Indian and Papuan oils.
AU Ehlers, Dorothea [Reprint author]; Kirchhoff, Jolanta; Gerard, Dieter;
Quirin, Karl-Werner
CS Technische Fachhochschule Berlin, Fachbereich V, Studiengang
Lebensmitteltechnologie, Kurfuerstenstr. 141, D-10785 Berlin, Germany
SO International Journal of Food Science and Technology, (June, 1998) Vol.
33, No. 3, pp. 215-223. print.

CODEN: IJFTEZ. ISSN: 0950-5423.

DT Article

LA English

ED Entered STN: 1 Mar 1999

Last Updated on STN: 5 May 1999

AB Nutmeg and mace oils, produced by supercritical CO₂ extraction, are now increasingly traded. Unlike the steam-distilled oils, no information about their composition is published. Supercritical CO₂ nutmeg and mace extracts from the East Indies, West Indies and Papua were analysed by high-performance liquid chromatography (HPLC) for myristicin, safrole, elemicin, eugenol, methyleugenol, isoeugenol, methylisoeugenol, methoxyeugenol and isoelemicin, and were very similar to steam-distilled oils from the same batch. East Indian, West Indian and Papuan oils displayed clear differences in their composition and could be clearly characterized by HPLC. The dominating aromatic ether in the East Indian oils was myristicin, in West Indian elemicin and in Papuan safrole.

CC Food technology - General and methods 13502

Biochemistry studies - General 10060

Biophysics - General 10502

IT Major Concepts

Biochemistry and Molecular Biophysics; Foods

IT Chemicals & Biochemicals

elemicin; eugenol; isoelemicin; isoeugenol; methoxyeugenol; methyleugenol; methylisoeugenol; myristicin; safrole

IT Methods & Equipment

high performance liquid chromatography: analytical method; steam distillation: production method; supercritical carbon dioxide extraction: production method

IT Miscellaneous Descriptors

mace oil: East Indian, Papuan, aroma, herbs and spices, composition, West Indian; **nutmeg oil**: East Indian, Papuan, **West Indian**, aroma, composition, herbs and spices

RN 487-11-6 (elemicin)

97-53-0 (eugenol)

5273-85-8 (isoelemicin)

97-54-1 (isoeugenol)

6627-88-9 (methoxyeugenol)

93-15-2 (methyleugenol)

93-16-3 (methylisoeugenol)

607-91-0 (myristicin)

94-59-7 (safrole)

124-38-9 (CARBON DIOXIDE)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1964:2486 CAPLUS

DN 60:2486

OREF 60:363h,364a

ED Entered STN: 22 Apr 2001

TI Gas chromatographic analysis of oil of nutmeg

AU Bejnarowicz, Elwina A.; Kirch, Ernst R.

CS Univ. of Illinois, Chicago

SO Journal of Pharmaceutical Sciences (1963), 52(10), 988-93

CODEN: JPMSAE; ISSN: 0022-3549

DT Journal

LA Unavailable

CC 29 (Essential Oils and Cosmetics)

AB Three East Indian (I) and one **West Indian** (II)

varieties of **nutmeg oil** were analyzed by gas chromatog. All 4 contained α -pinene, β -pinene, limonene, p-cymene, 4-terpinenol, α -terpineol, and an unknown substance.

Small amts. of terpinolene were found in two samples of I; linalool and geraniol were absent from one sample of I, safrole and eugenol were present in all samples of I but not in II, and camphor was found only in II.

IT Oils
 (nutmeg, chromatog. of East and West Indian)

IT Stereochemistry
 (of linalool)

IT Menthol, acetate, neo-
 (detection and determination of)

IT 76-49-3, Borneol, acetate 80-26-2, p-Menth-1-en-8-ol, acetate 89-78-1,
 Menthol 105-86-2, 2,6-Octadien-1-ol, 3,7-dimethyl-, formate, trans-
 105-87-3, 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, trans- 105-90-8,
 2,6-Octadien-1-ol, 3,7-dimethyl-, propionate, trans- 106-22-9,
 6-Octen-1-ol, 3,7-dimethyl- 106-24-1, 2,6-Octadien-1-ol, 3,7-dimethyl-,
 trans- 115-95-7, 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate 123-96-6,
 2-Octanol 124-76-5, Isoborneol 125-12-2, Isoborneol, acetate
 141-12-8, 2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, cis- 507-70-0,
 Borneol 2345-26-8, 2,6-Octadien-1-ol, 3,7-dimethyl-, isobutyrate, trans-
 3623-51-6, Menthol, neo- 3623-52-7, Menthol, iso- 6627-74-3,
 2-Cyclohexene-1-methanol, 2,6,6-trimethyl- 13851-11-1, 2-Norbornanol,
 1,3,3-trimethyl-, acetate 16409-45-3, Menthol, acetate
 (detection and determination of)

IT 78-70-6, 1,6-Octadien-3-ol, 3,7-dimethyl-
 (detection and determination of, of nutmeg oil of East and West Indies)

IT 94-59-7, Benzene, 4-allyl-1,2-(methylenedioxy)- 97-53-0, Phenol,
 4-allyl-2-methoxy-
 (in nutmeg oil of East Indies)

IT 76-22-2, Camphor
 (in nutmeg oil of West Indies)

IT 127-91-3, 2(10)-Pinene
 (in nutmeg oil, of East and West Indies)

IT 586-62-9, p-Mentha-1,4(8)-diene
 (of nutmeg oil of East Indies)

IT 80-56-8, (\pm)-2-Pinene 99-87-6, p-Cymene 138-86-3,
 p-Mentha-1,8-diene 562-74-3, p-Menth-1-en-4-ol 624-15-7,
 2,6-Octadien-1-ol, 3,7-dimethyl-
 (of nutmeg oil of East and West Indies)

IT 98-55-5, p-Menth-1-en-8-ol
 (of nutmeg oil of East and West Indies, detection and determination of)

IT 20777-45-1, Menthol, acetate, iso-
 (preparation of)

=>

Connection closed by remote host